

## MP3 Player having a wireless earphone communication with a Mobile

### **ABSTRACT:**

The audio player of the present invention comprises: an audio playing module to  
5 decode audio compressed files, produce an audio signal transmitted to an earphone,  
and receive a voice signal from a microphone; and an attachment mechanism to  
combine a wireless earphone with the audio playing module, to accomplish an  
electrical connecting interface therebetween. Therefore, the audio playing module  
operates the wireless earphone via the electrical connecting interface and establishes  
10 two-way audio communication with a mobile phone. Another embodiment of this  
invention provides an audio player having a wireless transceiver, which can establish  
a wireless connectivity with a mobile phone and allow two-way audio communication,  
enabling the audio player to communicate with the mobile phone at any time in  
response to a ring indication received from the mobile phone.